

FIG. 11

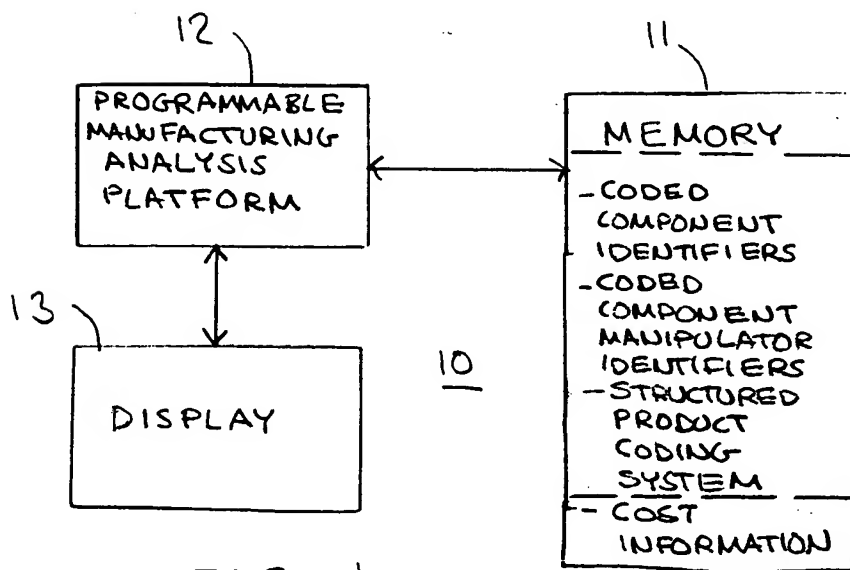
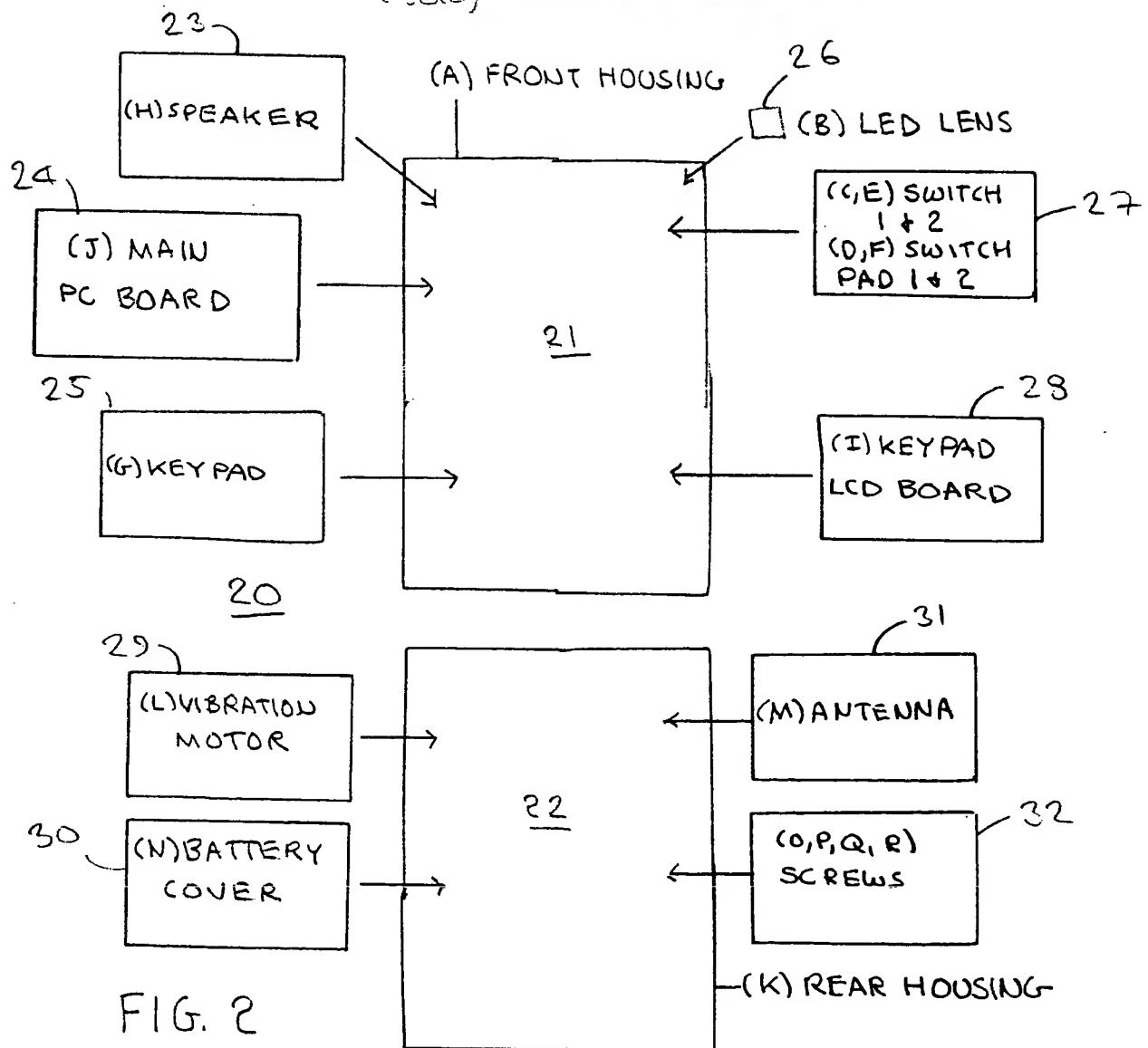
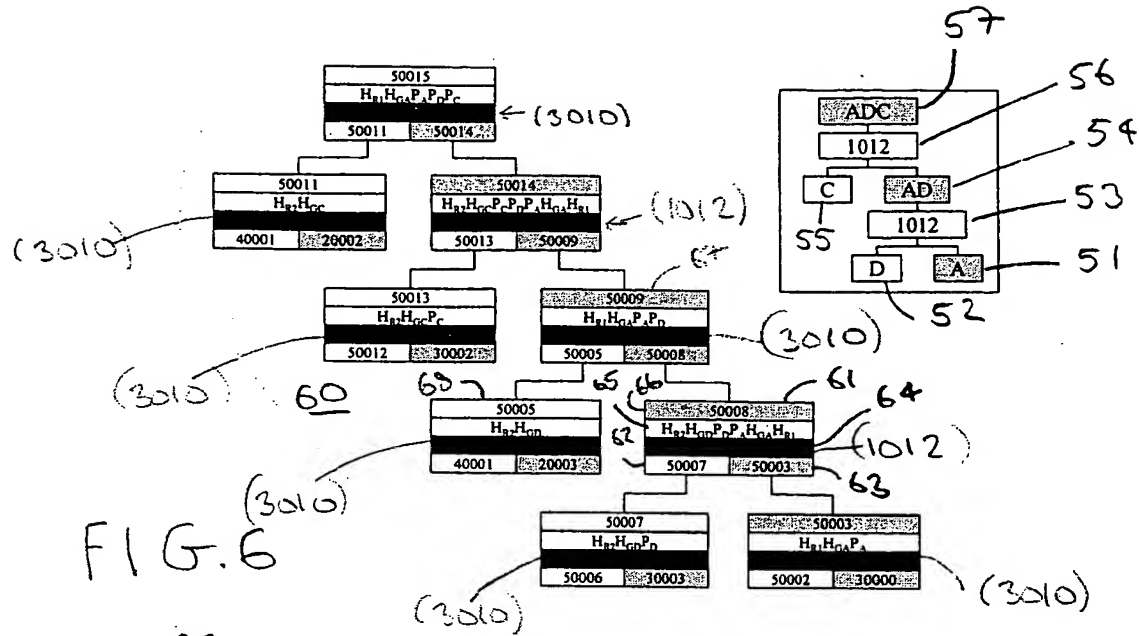


FIG. 1

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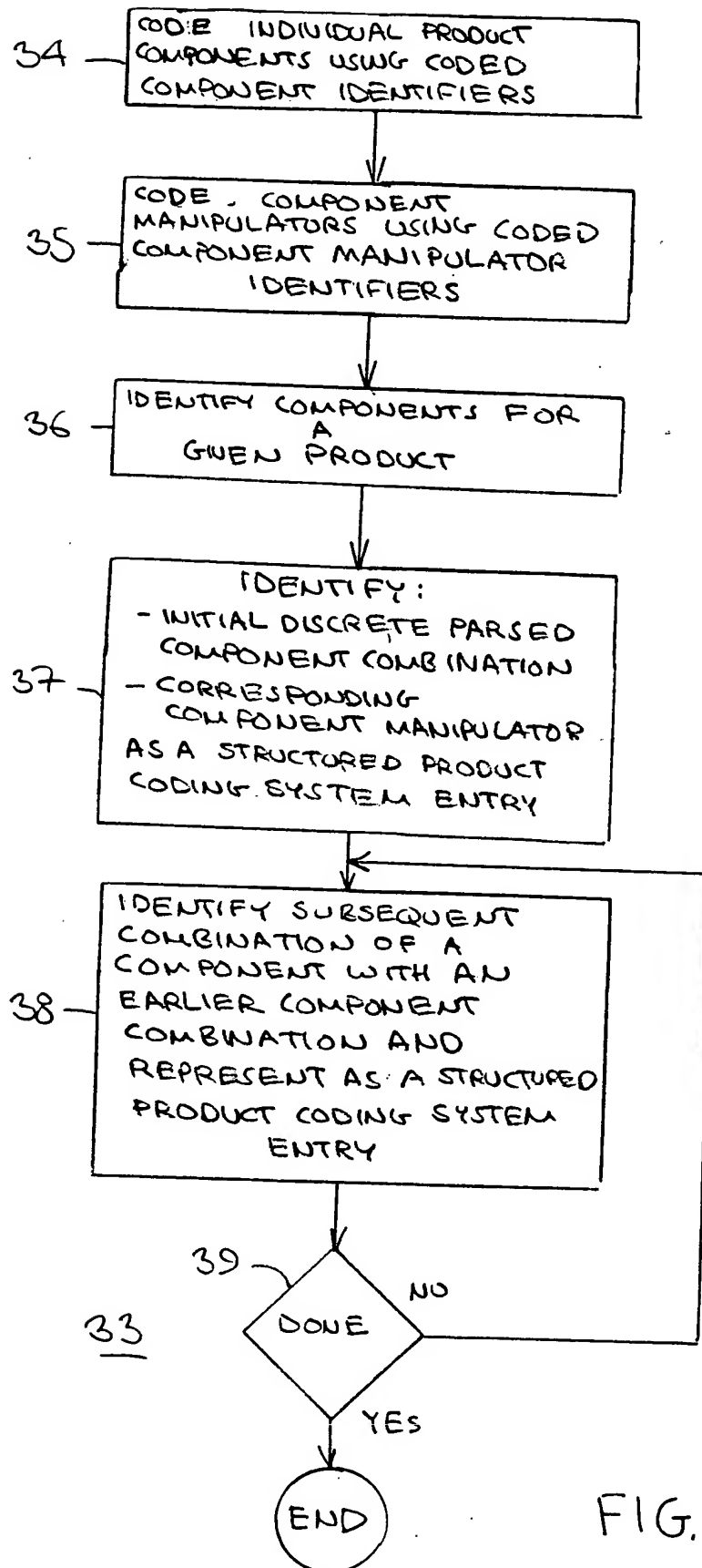


FIG. 3

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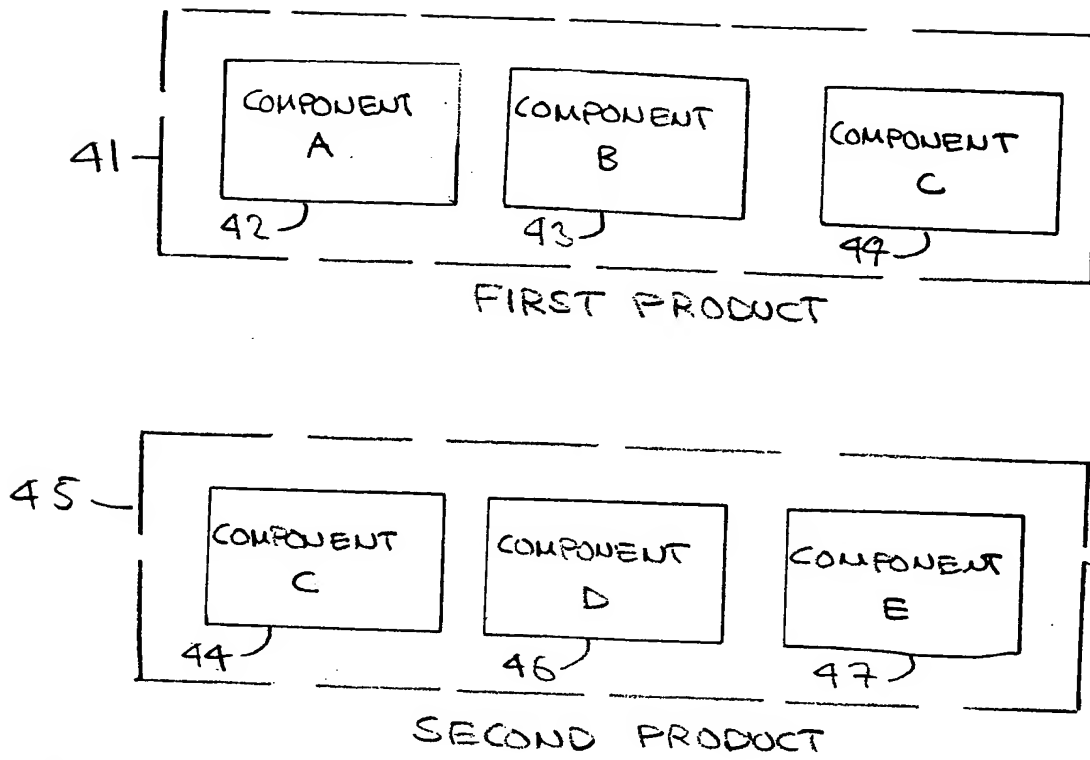


FIG. 4

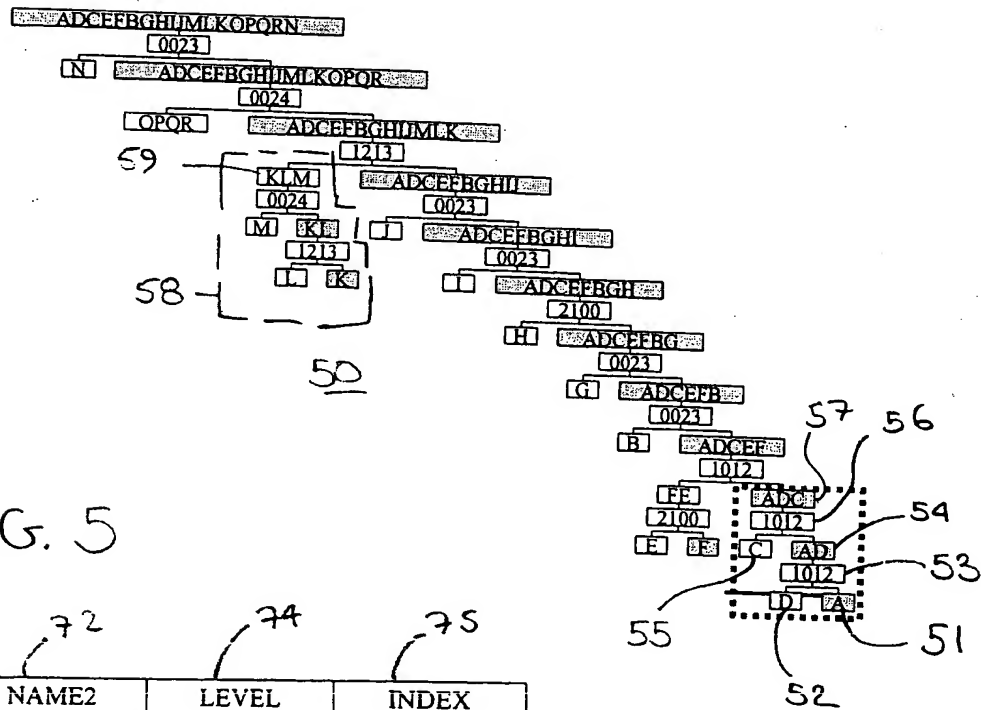


FIG. 5

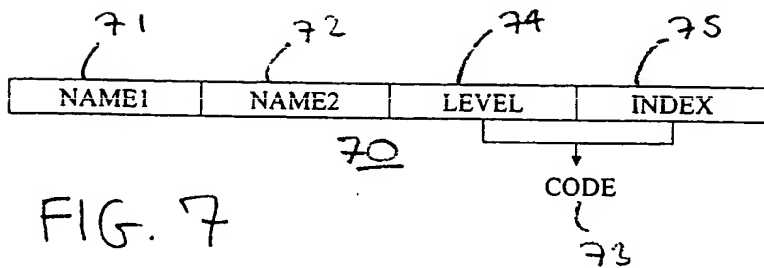


FIG. 7

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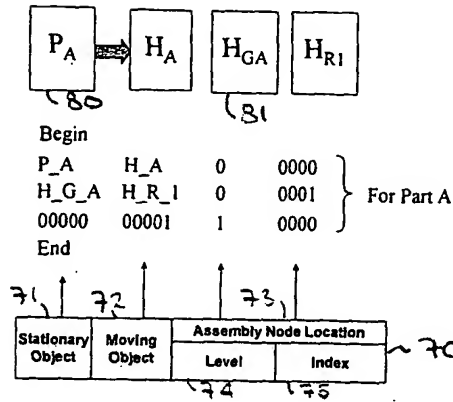


FIG. 8

| Name | Stationary Part | | Moving Part | | New Part | | SACS Code | SACS Operation | Assem. Tree Level | Assembly (Disassembly) Cost |
|----------------------------------|-----------------|-------|-------------|-------|----------|-------|-----------|----------------|-------------------|-----------------------------|
| | Type | Index | Type | Index | Type | Index | | | | |
| AGAINST_FIT | NA | NA | NA | NA | 0000 | 0000 | 0023 | NA | NA | A/D0023 |
| SCREW_FIT | NA | NA | NA | NA | 0000 | 0001 | 0023 | NA | NA | A/D0023 |
| Simple Part Mating Operations... | NA | NA | NA | NA | 0000 | ... | ... | NA | NA | A/D... |
| SPH_AGAINST | NA | NA | NA | NA | 0000 | 0018 | 2300 | NA | NA | A/D2300 |
| P_0 | NA | NA | NA | NA | 0001 | 0000 | NA | NA | NA | ... |
| P_1 | NA | NA | NA | NA | 0001 | 0001 | NA | NA | NA | ... |
| P_N | NA | NA | NA | NA | 0001 | N | NA | NA | NA | ... |
| ... | NA | NA | NA | NA | ... | ... | ... | NA | NA | ... |
| H_G_0 | NA | NA | NA | NA | 0002 | 0000 | 3011 | NA | NA | A/D3011 |
| H_G_N | NA | NA | NA | NA | 0002 | N | ... | NA | NA | A/D... |
| H_0 | NA | NA | NA | NA | 0003 | 0000 | 3010 | NA | NA | A/D3010 |
| H_N | NA | NA | NA | NA | 0003 | N | ... | NA | NA | A/D... |
| H_R_0 | NA | NA | NA | NA | 0004 | 0000 | 3010 | NA | NA | A/D3010 |
| H_R_N | NA | NA | NA | NA | 0004 | N | ... | NA | NA | A/D... |
| ... | NA | NA | NA | NA | ... | ... | ... | NA | NA | A/D... |
| P_0.H_0 | 0001 | 0000 | 0003 | 0000 | 0005 | 0000 | 3010 | + | 0 | A3010 |
| H_G_0.H_R_0 | 0002 | 0000 | 0004 | 0000 | 0005 | 0001 | 3011 | + | 0 | A3011 |
| H_0.P_0.H_0.H_R_0 | 0005 | 0000 | 0005 | 0001 | 0005 | 0002 | 3011 | + | 1 | A3011 |
| H_0/P_0.H_0.H_R_0 | 0003 | 0000 | 0005 | 0002 | 0005 | 0003 | 3010 | - | 2 | D3010 |
| Additional modules... | ... | ... | ... | ... | 0005 | ... | ... | ... | ... | A/D... |

FIG. 9

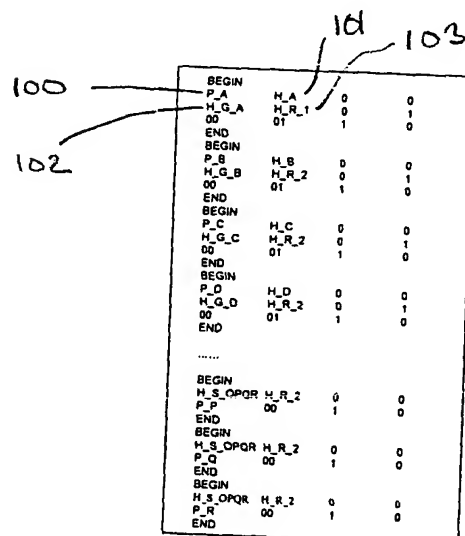


FIG. 10